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2005 Cancer Incidence Report

Maine Department of Health and Human Services

Maine Center for Disease Control and Prevention

Maine Cancer Registry

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Recommended Citation

Maine Department of Health and Human Services, Maine Center for Disease Control and Prevention, and Maine Cancer Registry, "2005 Cancer Incidence Report" (2008). *Center for Disease Control Documents*. Paper 120.
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2005 Cancer Incidence Report

Maine Cancer Registry



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Published: April 2008



John E. Baldacci, Governor

Brenda M. Harvey, Commissioner

The following report contains the 2005 cancer incidence rates for Maine. At the time of this publication the national comparisons for 2005 incidence were not yet available. The counts and rates were produced using SEER*Stat, a software program for analyzing cancer incidence and mortality data. The 2005 mortality data for Maine and the United States have not been released for use in SEER*Stat.

The 2005 Cancer Incidence Report provides the rates of various

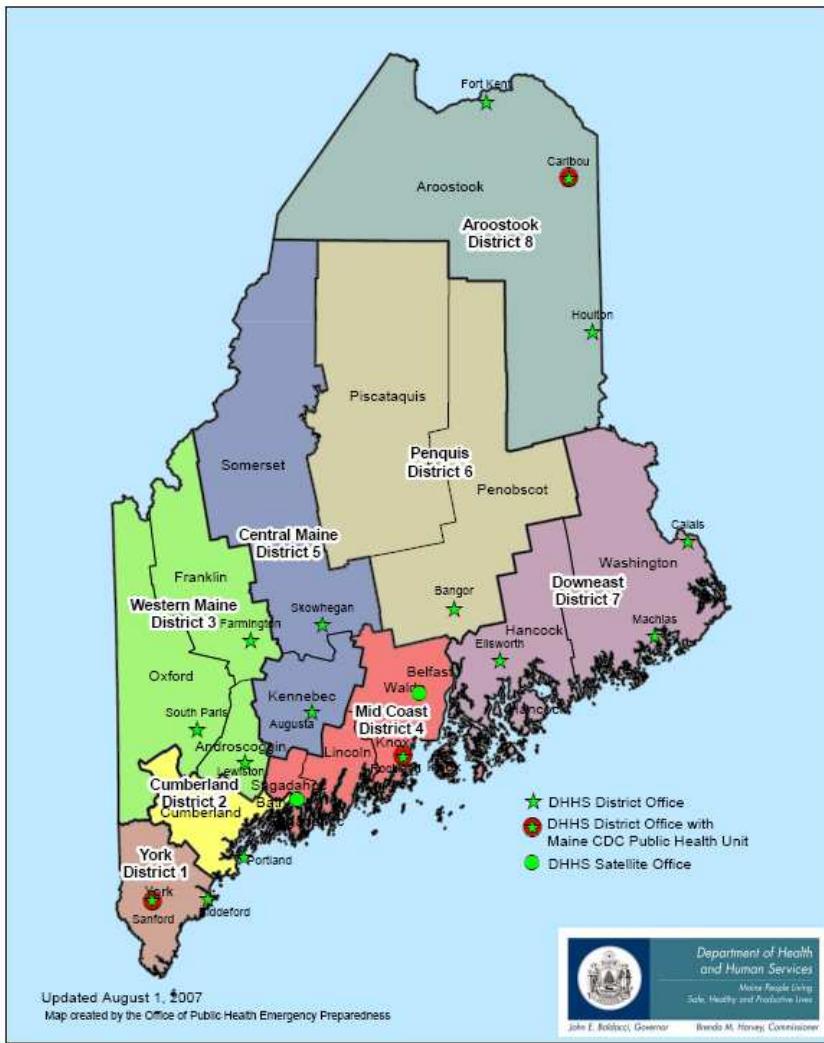
Maine Public Health Districts:

In 2007, Governor Baldacci announced Maine's new public health infrastructure. Within this plan, the Maine Centers for Disease Control created eight Public Health Districts with the intent of regionalizing public health services. Each District is made up of one or more counties. For this reason, cancer rates have been calculated for the 8 Districts as well as the individual counties. A map of the Public Health Districts can be found on the following page.

Rates and Confidence Intervals:

The incidence rates are calculated per 100,000 and age-adjusted to the 2000 U.S. Population Standard. Rates and counts based on 6 or fewer cases have been suppressed to protect patient confidentiality. The 95% confidence intervals are provided as a means to determine if the cancer rates in one geographical area are statistically significantly different from cancer rates in another geographical area. If the 95% confidence intervals for two geographical areas overlap, the incidence rates are not significantly different from each other; however, if the confidence intervals do not overlap, this indicates a significant difference in the rate of cancer. County and District rates that are significantly higher than the Maine rate are highlighted in pink, while significantly lower rates are highlighted in light green.

Maine DHHS Districts and DHHS Office Locations



Age-Adjusted Cancer Incidence Rates in Maine, 2005

	Male and female				Male				Female			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	8042	517.7	506.4	529.3	4124	593.2	575.0	611.9	3918	464.9	450.3	479.9
Oral Cavity and Pharynx	162	10.1	8.6	11.9	112	15.4	12.6	18.6	50	5.7	4.2	7.6
Esophagus	116	7.3	6.1	8.8	90	12.8	10.3	15.8	26	3.0	1.9	4.4
Stomach	78	4.9	3.9	6.1	49	6.9	5.1	9.1	29	3.3	2.2	4.8
Colon and Rectum	849	54.4	50.7	58.2	430	63.1	57.2	69.4	419	47.0	42.5	51.8
Liver and Intrahepatic Bile Duct	72	4.6	3.6	5.8	43	6.2	4.5	8.5	29	3.4	2.3	5.0
Pancreas	210	13.3	11.5	15.2	104	15.1	12.3	18.3	106	11.8	9.6	14.3
Larynx	79	5.1	4.0	6.3	60	8.4	6.4	10.8	19	2.3	1.4	3.6
Lung and Bronchus	1222	78.0	73.7	82.6	660	95.1	87.9	102.7	562	65.3	60.0	71.0
Melanoma of the Skin	348	23.1	20.7	25.7	190	27.3	23.5	31.6	158	20.2	17.1	23.7
Breast	1089	70.2	66.1	74.6	11	1.6	0.8	2.8	1078	130.0	122.2	138.1
Cervix Uteri									44	6.3	4.5	8.5
Corpus and Uterus, NOS									246	29.0	25.4	32.9
Ovary									112	13.2	10.8	15.9
Prostate					1084	151.1	142.2	160.6				
Testis					47	7.3	5.3	9.8				
Urinary Bladder	421	26.6	24.1	29.2	296	43.7	38.8	49.0	125	14.0	11.6	16.7
Kidney and Renal Pelvis	241	15.7	13.8	17.9	138	19.7	16.5	23.3	103	12.3	10.0	15.0
Brain and Other Nervous System	107	7.2	5.9	8.7	71	10.3	8.0	13.0	36	4.5	3.2	6.3
Thyroid	117	8.5	7.0	10.2	20	2.9	1.8	4.5	97	13.7	11.1	16.8
Hodgkin Lymphoma	44	3.3	2.4	4.4	27	4.0	2.6	5.8	17	2.6	1.5	4.1
Non-Hodgkin Lymphoma	336	21.8	19.5	24.3	163	23.8	20.2	27.8	173	20.7	17.7	24.1
Myeloma	92	5.9	4.7	7.2	54	8.0	6.0	10.5	38	4.5	3.1	6.2
Leukemia	230	15.1	13.2	17.3	134	19.9	16.6	23.6	96	11.6	9.4	14.3

Note: Rates are per 100,000 and age-adjusted to the 2000 US Std Population

CI: 95% Confidence Interval

Produced by: Maine Cancer Registry

Maine Center for Disease Control and Prevention

Department of Health and Human Services

All Cancer Incidence Rates by County, 2005

	Male and female				Male				Female			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
Androscoggin	591	495.0	455.6	536.9	312	594.1	529.2	664.8	279	430.0	380.3	484.6
Aroostook	448	467.2	424.4	513.6	240	548.8	480.7	624.6	208	405.3	350.8	466.8
Cumberland	1492	479.9	455.6	505.2	741	550.7	511.1	592.5	751	432.9	402.0	465.7
Franklin	193	573.5	494.5	662.0	96	623.3	502.6	764.9	97	529.2	427.4	649.4
Hancock	406	588.6	532.2	649.7	210	672.0	583.2	771.2	196	528.4	456.0	610.2
Kennebec	731	515.7	478.7	554.9	387	600.0	540.8	664.0	344	449.2	402.4	500.2
Knox	278	516.2	456.3	582.3	139	567.9	476.6	672.7	139	485.8	405.7	578.6
Lincoln	249	494.9	434.5	562.3	125	541.7	450.0	648.4	124	450.9	373.1	542.7
Oxford	351	498.4	447.3	554.1	185	570.5	490.4	660.6	166	444.6	378.8	519.5
Penobscot	913	561.9	525.9	599.9	468	649.5	590.7	712.7	445	502.6	456.7	552.2
Piscataquis	127	538.4	447.3	644.4	66	609.8	469.0	783.0	61	485.8	369.5	631.3
Sagadahoc	212	516.0	448.1	591.6	123	688.6	569.0	825.8	89	394.2	315.6	487.5
Somerset	326	523.3	467.5	584.3	168	601.1	511.6	702.2	158	478.3	405.8	560.8
Waldo	244	546.5	479.1	621.1	124	607.7	502.8	728.6	120	507.1	419.3	609.0
Washington	267	598.7	528.2	676.9	150	738.0	623.3	869.1	117	485.0	398.9	586.3
York	1207	524.9	495.5	555.7	585	569.9	523.9	618.9	622	499.5	460.5	540.9
Maine	8042	517.7	506.4	529.3	4124	593.2	575.0	611.9	3918	464.9	450.3	479.9

All Cancer Incidence Rates by District, 2005

	Male and female				Male				Female			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
Aroostook	448	467.2	424.4	513.6	240	548.8	480.7	624.6	208	405.3	350.8	466.8
Penquis	1040	558.6	524.9	593.9	534	642.6	588.1	700.7	506	500.7	457.7	547.0
Downeast	673	592.3	548.0	639.5	360	696.3	625.5	773.4	313	513.3	457.1	575.3
Midcoast	983	519.1	486.8	553.2	511	592.6	541.7	647.3	472	466.5	424.5	511.8
Central	1057	517.9	486.9	550.4	555	599.3	549.6	652.3	502	458.3	418.6	501.0
Western	1135	507.7	478.4	538.4	593	590.2	543.1	640.5	542	449.2	411.7	489.4
Cumberland	1492	479.9	455.6	505.2	741	550.7	511.1	592.5	751	432.9	402.0	465.7
York	1207	524.9	495.5	555.7	585	569.9	523.9	618.9	622	499.5	460.5	540.9
Maine	8,042	517.7	506.4	529.3	4124	593.2	575.0	611.9	3918	464.9	450.3	479.9

Lung Cancer Incidence Rates by County, 2005

	Male and female				Male				Female			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
Androscoggin	79	66.0	52.2	82.5	41	80.4	57.5	109.4	38	59.0	41.6	81.6
Aroostook	71	71.3	55.6	90.5	47	101.1	74.1	135.6	24	43.5	27.7	66.5
Cumberland	212	69.4	60.3	79.6	122	92.1	76.2	110.2	90	52.0	41.7	64.2
Franklin	29	82.6	55.2	119.8	15	88.4	49.0	148.8	14	75.7	41.1	130.1
Hancock	78	111.5	88.1	139.9	44	141.7	102.7	191.6	34	88.0	60.8	124.9
Kennebec	111	77.5	63.7	93.6	58	90.1	68.1	117.1	53	67.6	50.5	89.0
Knox	44	76.5	55.4	104.0	22	88.2	55.1	135.5	22	72.5	44.8	113.1
Lincoln	37	72.7	51.1	101.7	20	85.4	52.1	134.7	17	61.0	35.3	102.2
Oxford	57	79.2	59.9	103.2	32	95.9	65.3	136.8	25	67.0	43.3	100.3
Penobscot	138	84.4	70.8	99.8	67	95.0	73.1	121.3	71	78.0	60.9	98.7
Piscataquis	16	65.7	37.4	109.8	8	76.5	33.0	155.9	8	61.3	26.3	128.8
Sagadahoc	32	79.4	54.0	112.8	19	104.8	62.2	165.7	13	58.1	30.6	101.5
Somerset	65	102.5	79.0	131.3	37	139.0	96.9	193.4	28	81.0	53.7	118.5
Waldo	30	63.6	42.6	92.0	18	81.3	47.4	131.3	12	47.2	24.2	84.9
Washington	53	117.3	87.7	154.6	34	162.4	112.2	229.4	19	78.6	46.8	126.4
York	169	73.9	63.1	86.0	76	76.5	60.1	96.1	93	73.1	58.9	89.9
Maine	1222	78.0	73.7	82.6	660	95.1	87.9	102.7	562	65.3	60.0	71.0

Lung Cancer Incidence Rates by District, 2005

	Male and female				Male				Female			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
Aroostook	71	71.3	55.6	90.5	47	101.1	74.1	135.6	24	43.5	27.7	66.5
Penquis	154	81.9	69.5	96.1	75	92.4	72.3	116.4	79	75.8	60.0	94.9
Downeast	131	113.1	94.5	134.6	78	148.9	117.5	186.7	53	83.6	62.5	110.6
Midcoast	143	73.7	62.0	87.1	79	90.3	71.3	113.1	64	61.0	46.8	78.6
Central	176	85.0	72.9	98.8	95	104.0	83.8	127.7	81	71.8	57.0	89.7
Western	165	72.9	62.2	85.1	88	86.5	69.2	107.0	77	64.2	50.5	80.5
Cumberland	212	69.4	60.3	79.6	122	92.1	76.2	110.2	90	52.0	41.7	64.2
York	169	73.9	63.1	86.0	76	76.5	60.1	96.1	93	73.1	58.9	89.9
Maine	1,222	78.0	73.7	82.6	660	95.1	87.9	102.7	562	65.3	60.0	71.0

Colorectal Cancer Incidence Rates by County, 2005

	Male and female				Male				Female			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
Androscoggin	68	56.0	43.4	71.3	29	57.2	38.1	82.4	39	55.9	39.4	77.5
Aroostook	55	54.6	41.1	71.8	33	77.5	53.0	110.0	22	38.2	23.8	59.6
Cumberland	150	48.1	40.6	56.6	72	56.3	43.9	71.1	78	42.5	33.4	53.5
Franklin	24	70.7	45.2	106.2	11	74.8	36.9	135.5	13	67.2	35.6	118.3
Hancock	41	58.0	41.6	79.5	19	62.3	37.3	98.7	22	55.9	34.9	86.9
Kennebec	64	45.8	35.3	58.7	30	47.6	32.0	68.5	34	43.4	29.9	61.3
Knox	24	41.8	26.7	63.4	18	70.8	41.8	113.9	6	17.0	6.1	42.0
Lincoln	20	38.7	23.6	61.5	13	55.4	29.4	97.7	7	23.1	9.1	53.7
Oxford	42	58.3	41.9	79.4	25	77.0	49.6	114.9	17	42.1	24.4	69.4
Penobscot	96	58.8	47.6	71.9	53	70.8	52.7	93.2	43	47.5	34.3	64.4
Piscataquis	12	54.0	27.2	97.9	9	86.7	38.0	172.4	^	^	^	^
Sagadahoc	17	43.1	25.1	69.5	13	78.7	41.4	135.1	^	^	^	^
Somerset	35	56.8	39.4	79.6	15	55.7	30.8	93.2	20	55.6	33.8	87.7
Waldo	35	79.9	55.4	112.0	20	99.1	59.7	155.3	15	62.4	34.7	104.9
Washington	38	84.7	59.7	117.8	15	78.0	43.3	131.0	23	84.7	53.2	131.5
York	128	55.9	46.6	66.6	55	53.8	40.3	70.5	73	56.7	44.3	71.7
Maine	849	54.4	50.7	58.2	430	63.1	57.2	69.4	419	47.0	42.5	51.8

^ = Statistic not displayed due to fewer than 6 cases.

Colorectal Cancer Incidence Rates by District, 2005

	Male and female				Male				Female			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
Aroostook	55	54.6	41.1	71.8	33	77.5	53.0	110.0	22	38.2	23.8	59.6
Penquis	108	58.0	47.6	70.2	62	72.2	55.1	93.1	46	44.2	32.3	59.4
Downeast	79	68.3	54.0	85.6	34	68.0	46.9	95.8	45	67.8	49.3	92.0
Midcoast	96	49.7	40.2	60.9	64	74.1	56.9	95.2	32	28.9	19.6	41.5
Central	99	49.1	39.8	59.9	45	50.1	36.3	67.4	54	47.0	35.2	61.8
Western	134	58.9	49.3	69.9	65	66.1	50.9	84.6	69	53.1	41.1	67.8
Cumberland	150	48.1	40.6	56.6	72	56.3	43.9	71.1	78	42.5	33.4	53.5
York	128	55.9	46.6	66.6	55	53.8	40.3	70.5	73	56.7	44.3	71.7
Maine	849	54.4	50.7	58.2	430	63.1	57.2	69.4	419	47.0	42.5	51.8

Female Breast Cancer Incidence Rates by County, 2005

	Females			
	Count	Rate	Lower CI	Upper CI
Androscoggin	81	128.7	101.9	160.5
Aroostook	52	104.1	77.0	138.4
Cumberland	228	133.7	116.7	152.7
Franklin	24	131.5	83.7	198.5
Hancock	49	135.7	99.9	181.5
Kennebec	92	122.6	98.5	151.1
Knox	42	146.5	104.2	201.8
Lincoln	38	142.1	99.8	199.2
Oxford	52	140.2	104.4	185.3
Penobscot	119	136.5	112.9	163.9
Piscataquis	23	199.8	125.4	305.9
Sagadahoc	23	102.9	65.0	156.3
Somerset	42	129.1	92.8	175.9
Waldo	31	126.7	85.8	181.9
Washington	23	95.1	59.5	146.7
York	159	128.6	109.3	150.6
Maine	1,078	130.0	122.2	138.1

Female Breast Cancer Incidence Rates by District, 2005

	Females			
	Count	Rate	Lower CI	Upper CI
Aroostook	52	104.1	77.0	138.4
Penquis	142	143.8	120.9	169.9
Downeast	72	122.1	95.1	155.1
Midcoast	134	132.3	110.5	157.4
Central	134	124.8	104.4	148.3
Western	157	132.6	112.5	155.5
Cumberland	228	133.7	116.7	152.7
York	159	128.6	109.3	150.6
Maine	1,078	130.0	122.2	138.1

Prostate Cancer Incidence Rates by County, 2005

	Males			
	Count	Rate	Lower CI	Upper CI
Androscoggin	93	173.1	139.3	212.7
Aroostook	54	117.6	88.2	154.7
Cumberland	196	140.4	121.1	162.0
Franklin	17	101.5	58.7	165.2
Hancock	56	168.5	126.9	220.5
Kennebec	119	182.1	150.4	218.7
Knox	36	142.1	99.3	198.7
Lincoln	39	165.2	117.4	228.5
Oxford	38	118.2	83.4	163.5
Penobscot	107	144.1	117.6	175.0
Piscataquis	21	179.8	110.6	281.4
Sagadahoc	41	225.1	159.7	308.4
Somerset	37	125.1	87.4	174.5
Waldo	38	185.2	130.0	256.5
Washington	40	194.0	138.2	266.6
York	152	141.7	119.7	166.6
Maine	1,084	151.1	142.2	160.6

Prostate Cancer Incidence Rates by District, 2005

	Males			
	Count	Rate	Lower CI	Upper CI
Aroostook	54	117.6	88.2	154.7
Penquis	128	149.0	123.8	177.8
Downeast	96	178.9	144.6	219.4
Midcoast	154	174.8	148.0	205.3
Central	156	164.9	139.6	193.5
Western	148	143.8	121.3	169.4
Cumberland	196	140.4	121.1	162.0
York	152	141.7	119.7	166.6
Maine	1,084	151.1	142.2	160.6